

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

12/21/2011

Elle Rackemann  
Assistant District Attorney, Suffolk County

Dear ADA Rackemann,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Stacey Feiden-Desjardins.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Feiden Desjardins was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Annie Dookhan'.

Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

**Annie Khan (Dookhan)**

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- \*Maintenance and repairs of all analytical instruments.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)  
GLP/GMP training with Massachusetts Biologic Laboratory.  
QC/QA training according to FDA Codes and Regulations.  
GC and GC/MS trainings with Agilent Technologies and Restek.  
HPLC and LC/MS/MS trainings with Waters Cooperation.  
FTIR training with Spectros.  
TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# Stacey Lyn Desjardins

stacey.feiden@state.ma.us

## EDUCATION

### Master of Science—Forensic Science

University of New Haven; West Haven, Connecticut

May 2006

- Concentration: Criminalistics
- Certificate: Advanced Investigation

### Bachelor of Arts—Chemistry

Monmouth College; Monmouth, Illinois

May 2004

- Graduated Cum Laude

## EXPERIENCE

### Chemist I

Massachusetts Department of Public Health; Jamaica Plain, Massachusetts

March 2009-present

- Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies
- Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)
- Provide expert testimony to local, state, and federal courts in Massachusetts

### Teaching/Graduate Assistant

Monmouth College Chemistry Department

University of New Haven Forensic Science Department

January 2001-May 2006

- Supervised labs and answered student questions
- Performed demonstrations using forensic techniques and chemicals

### Additional work experience and references available upon request

## TRAINING

2010: DEA Forensic Chemist Seminar—Washington DC

2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends

2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst

2005: Internship with the New Hampshire State Crime Lab

## COURSEWORK

Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry



DRUG RECEIPT

CC # [REDACTED]  
BOOK # 66  
PAGE # 32  
DESTRUCTION # \_\_\_\_\_

District/Unit D-4 Drug control Unit  
Name & Rank of Arresting Officer Robert Walsh, PO ID# 10794

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[REDACTED]	[REDACTED]	Waltham	ma
		Rox	ma
DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	LAB USE ONLY	
		GROSS WEIGHT	ANALYSIS NUMBER
CRACK COCAINE	1 P/B	1.56g	[REDACTED]

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil White ID# 11664  
Received by [Signature] Date 10-14-10  
ECU Control # \_\_\_\_\_

No. [REDACTED]

Date Analyzed: 01-18-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 10/14/2010

No. Analyzed:

Gross Wt.: 1.56 ✓

Net Weight:

# Tests: 73LD  
2ASD

Prelim: unknown Findings: gabapentin

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Boston

ANALYST

SLD

No. of samples tested:

1

Evidence Wt.

✓

PHYSICAL DESCRIPTION:

- signed & sealed  
- white chunky substance  
in pb

Gross Wt ( ): \_\_\_\_\_

Gross Wt (1):

0.1084g

Pkg. Wt:

0.0186g

Net Wt:

0.0898g

PRELIMINARY TESTSSpot TestsCobalt  
Thiocyanate ( )

⊕ faint blue

Marquis

⊖

Froehde's

⊖

Mecke's

⊖

Microcrystalline TestsGold  
Chloride

⊖

TLTA ( )

⊖

OTHER TESTS

GC ⊕ before coke

PRELIMINARY TEST RESULTS

RESULTS

unknown

DATE

1-3-11

GC/MS CONFIRMATORY TEST

RESULTS

gabapentin

MS  
OPERATOR

ASD

DATE

1-18-11

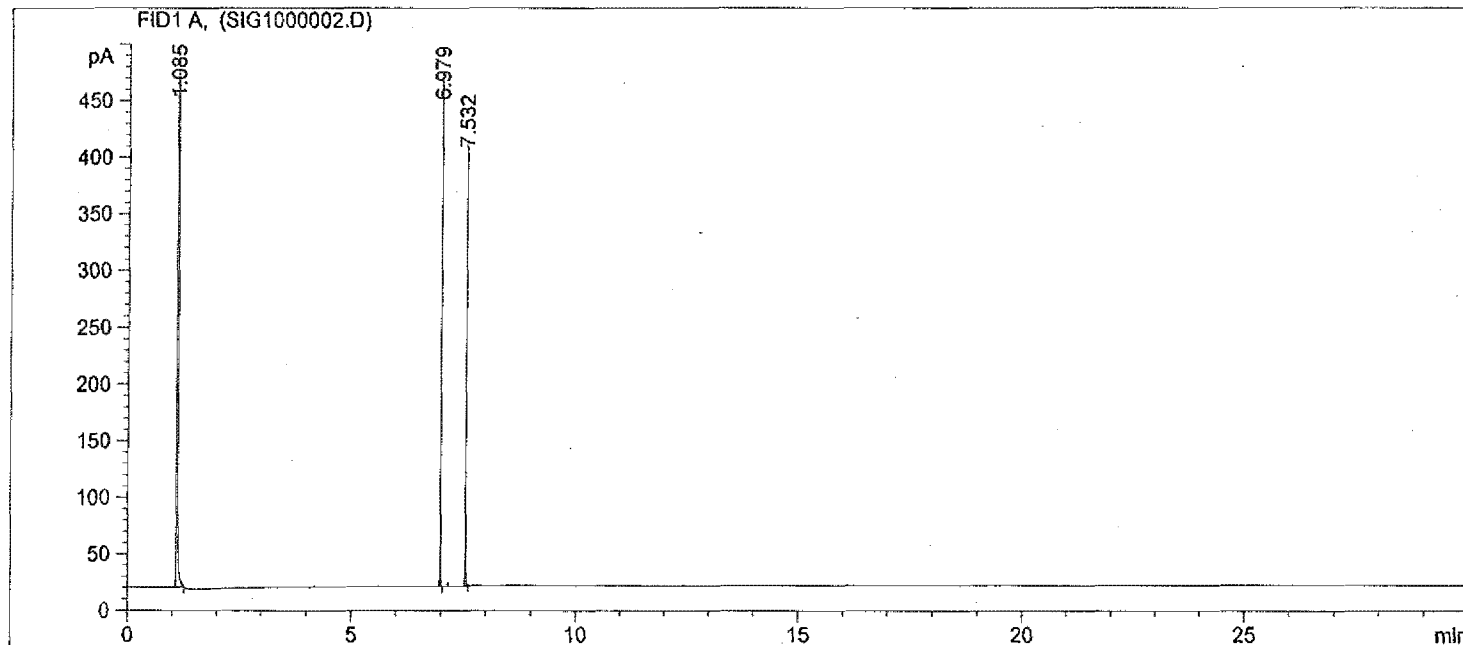
Sample Name: COKE/CODEINE STD

COCAINE/CODEINE

STANDARD

```
=====
Acq. Operator   : ASD                      Seq. Line :    2
Acq. Instrument : DrugLab GC #2            Location  : Vial 2
Injection Date  : 1/6/2011 11:43:15 AM      Inj       :    1
                                           Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\SCREEN.M
Last changed    : 7/27/2010 2:36:10 PM
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Retention Time
Multiplier:    :      1.0000
Dilution:      :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.085	1	BB S	6.67790e4	6.87122e4	99.03725
2	6.979	1	BB	338.91272	424.55582	0.50263
3	7.532	1	BB	310.25473	381.57950	0.46013

Totals :                    6.74282e4   6.95183e4

```
=====
*** End of Report ***
=====
```

Sample Name: XXXXXXXXXX

Prelim GC

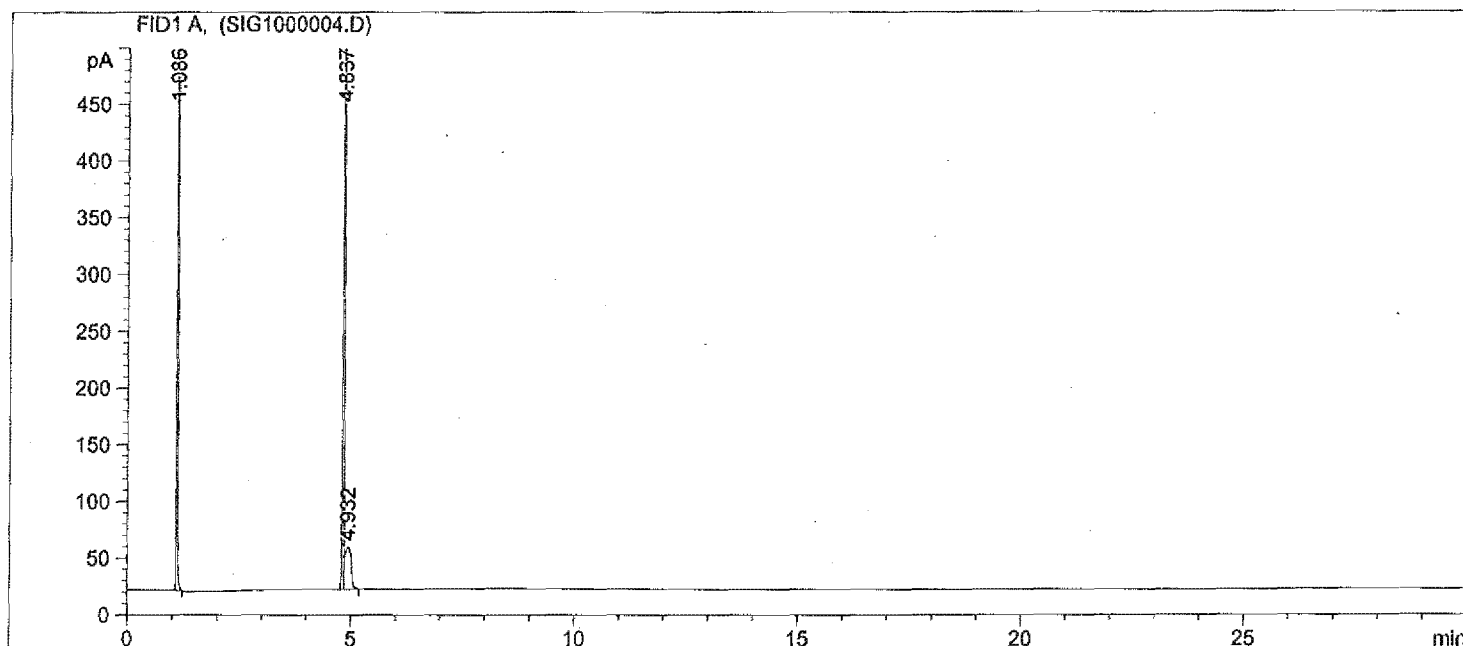
Sample

```

=====
Acq. Operator   : ASD                      Seq. Line :    4
Acq. Instrument : DrugLab GC #2            Location  : Vial 4
Injection Date  : 1/6/2011 12:52:47 PM     Inj       :    1
                                           Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\SCREEN.M
Last changed    : 7/27/2010 2:36:10 PM
=====

```



```

=====
                        Area Percent Report
=====

```

```

Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.086	1	BB S	6.63912e4	7.08567e4	97.04186
2	4.837	1	BV	1668.45508	784.94641	2.43873
3	4.932	1	VB	355.35547	37.67810	0.51941

```
Totals :                6.84150e4  7.16793e4
```

```

=====
*** End of Report ***

```



1-6-11  
**DRUG LAB/MS CONTROL SHEET**

DRUG LAB ASSIGNEE: SLO

VIALS RECEIVED 1-6-11 BY P.P. v2

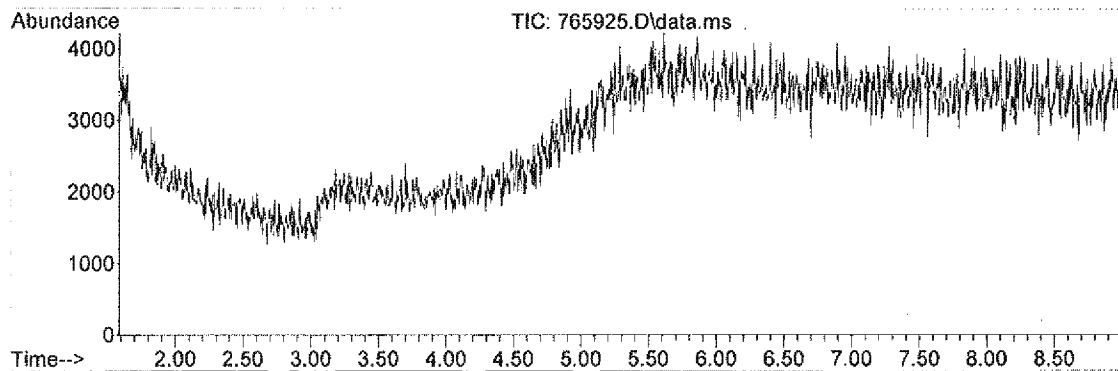
DATE(S) ANALYZED 01-18-11 F011411-S

[illegible]

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765925.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 00:39  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: MDMA.M  
Integrator : RTE

✓  
ASD  
12-21-11

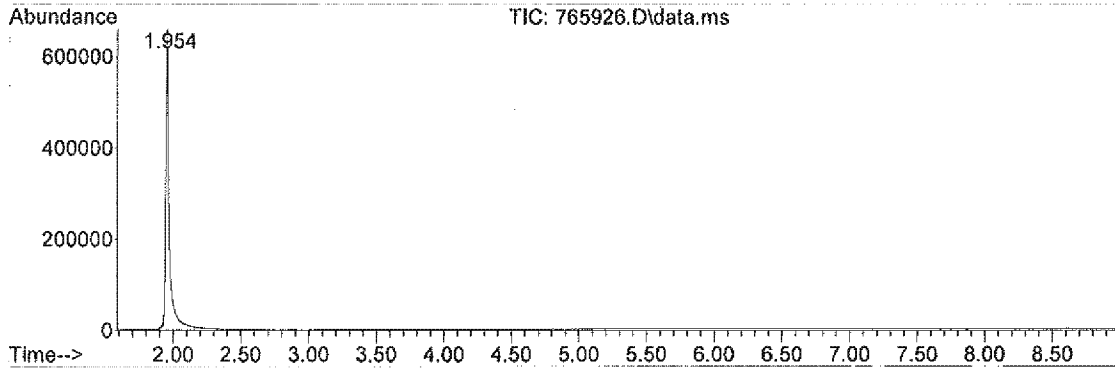


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765926.D  
 Operator : ASD  
 Date Acquired : 15 Jan 2011 00:51  
 Sample Name : GABAPENTIN STD  
 Submitted by :  
 Vial Number : 26  
 AcquisitionMeth: MDMA.M  
 Integrator : RTE



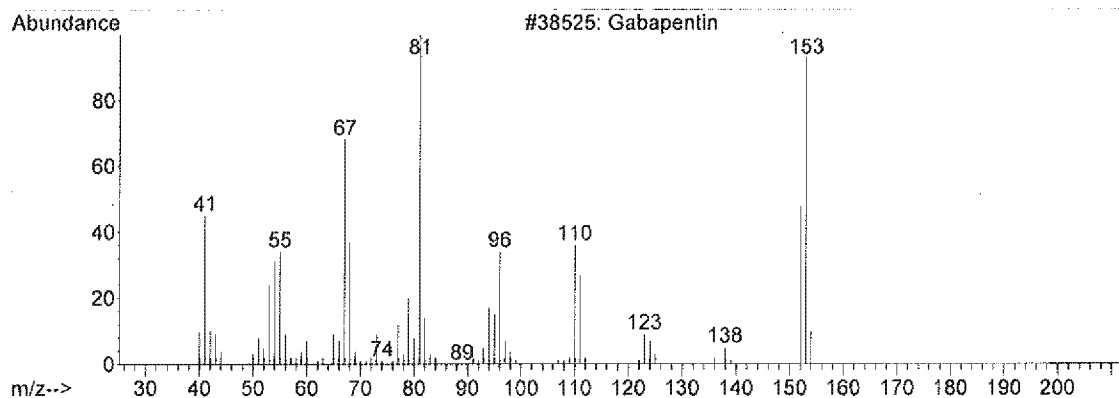
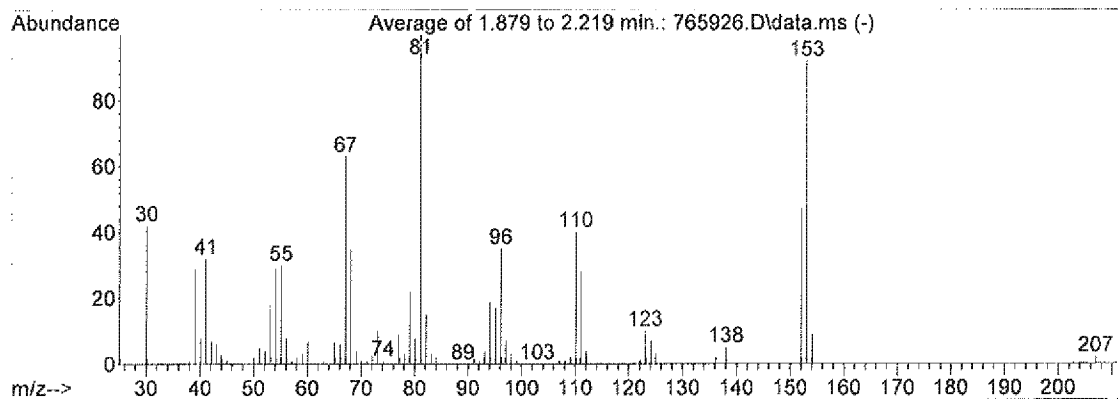
Ret. Time	Area	Area %	Ratio %
1.954	1223014	100.00	100.00

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765926.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 00:51  
Sample Name : GABAPENTIN STD  
Submitted by :  
Vial Number : 26  
AcquisitionMeth: MDMA.M  
Integrator : RTE

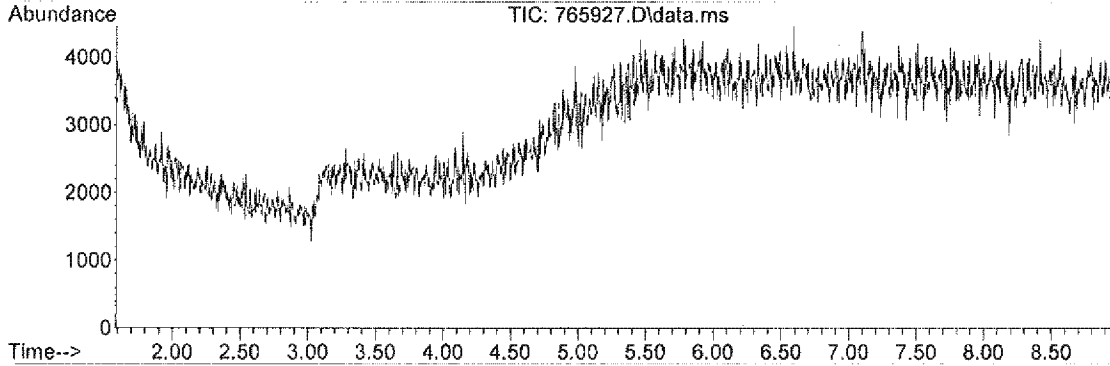
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.95	C:\Database\NIST08.L		
		Gabapentin	060142-96-3	91
		Cyclohexane, ethylidene-	001003-64-1	38
		Cyclohexane, ethylidene-	001003-64-1	30



## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765927.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 1:03  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: MDMA.M  
Integrator : RTE

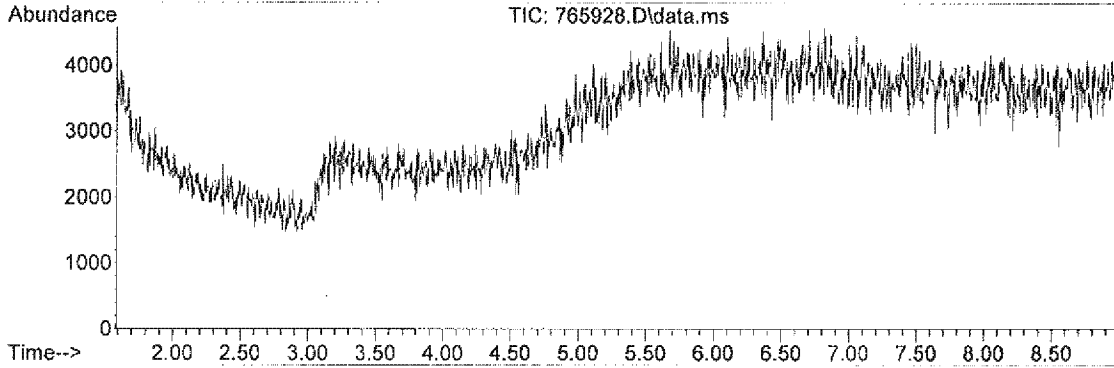


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765928.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 1:14  
Sample Name : BLANK  
Submitted by : SLD  
Vial Number : 1  
AcquisitionMeth: MDMA.M  
Integrator : RTE

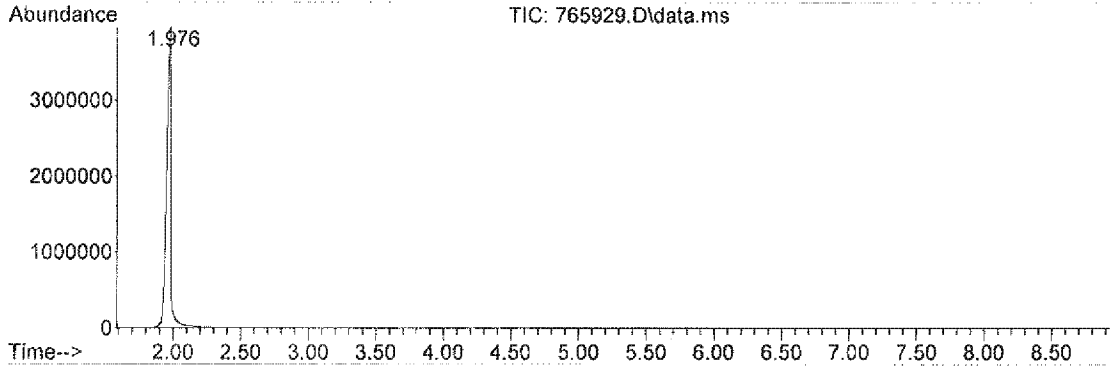


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765929.D  
 Operator : ASD  
 Date Acquired : 15 Jan 2011 1:26  
 Sample Name : XXXXXXXXXX  
 Submitted by : SLD  
 Vial Number : 29  
 AcquisitionMeth: MDMA.M  
 Integrator : RTE



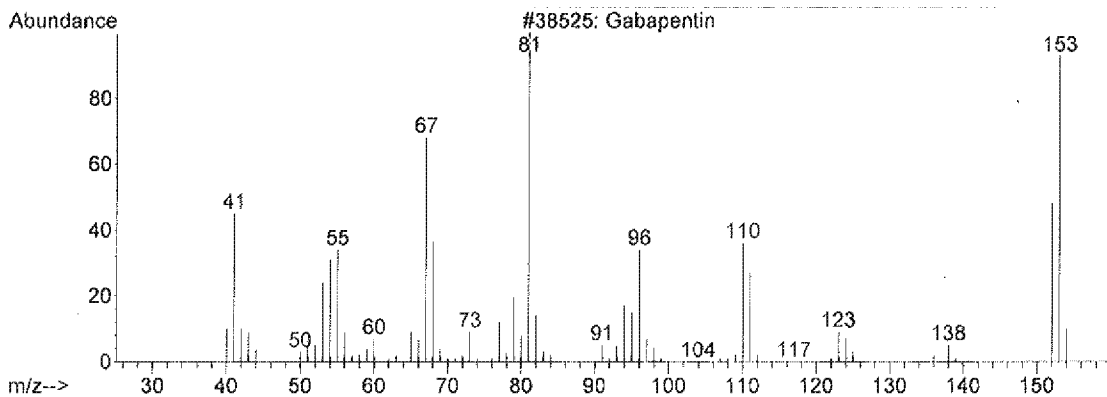
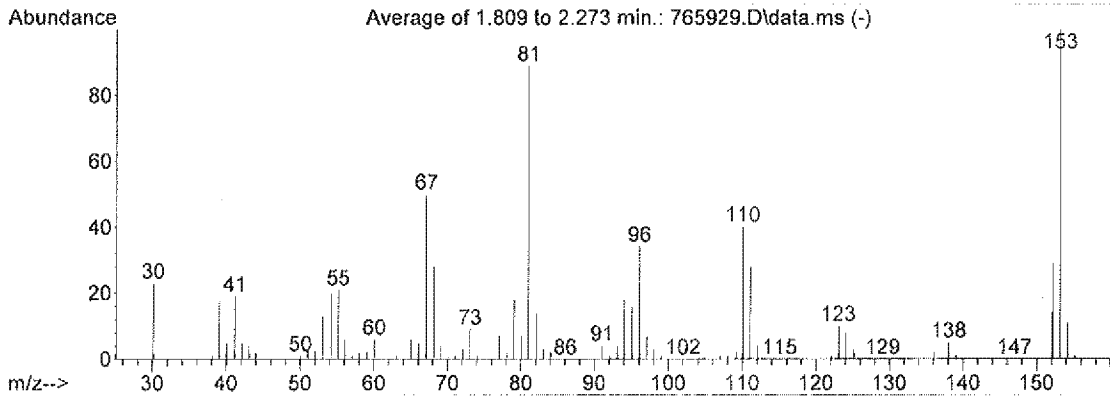
Ret. Time	Area	Area %	Ratio %
1.976	8707388	100.00	100.00

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765929.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 1:26  
Sample Name : XXXXXXXXXX  
Submitted by : SLD  
Vial Number : 29  
AcquisitionMeth: MDMA.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

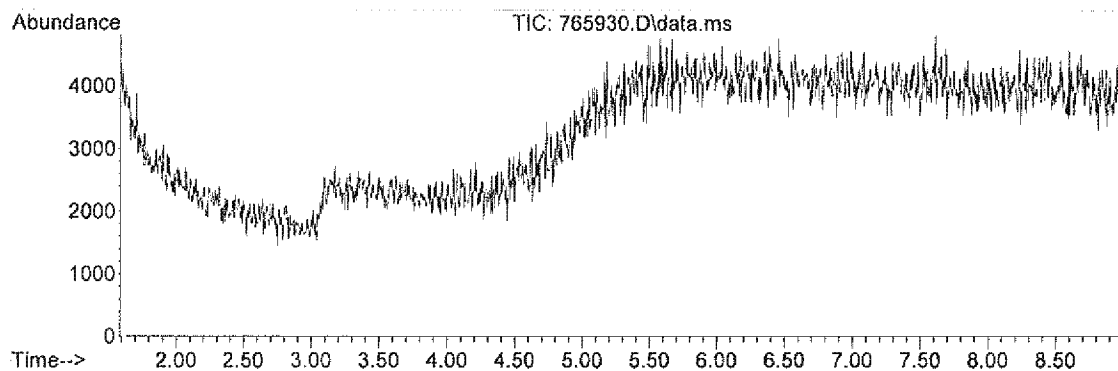
PK#	RT	Library/ID	CAS#	Qual
1	1.98	C:\Database\NIST08.L		
		Gabapentin	060142-96-3	91
		Pulegone	000089-82-7	43
		Cyclohexane, ethylidene-	001003-64-1	30





## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765930.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 1:37  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: MDMA.M  
Integrator : RTE

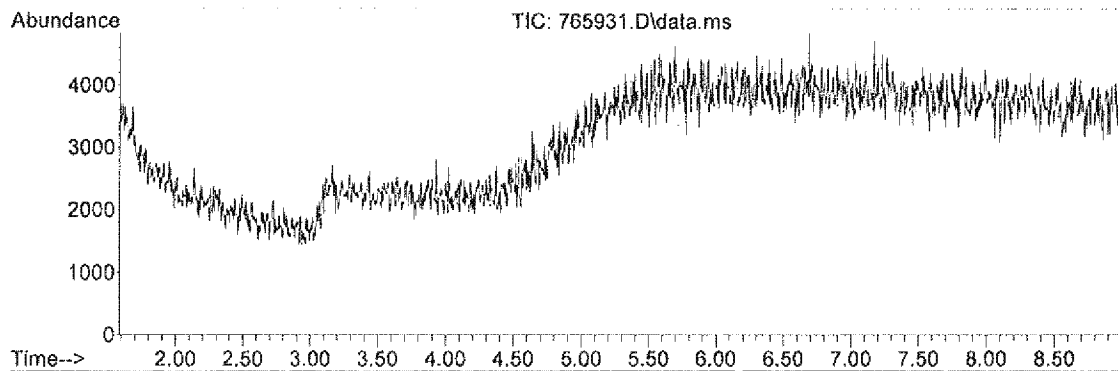


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765931.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 1:49  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: MDMA.M  
Integrator : RTE

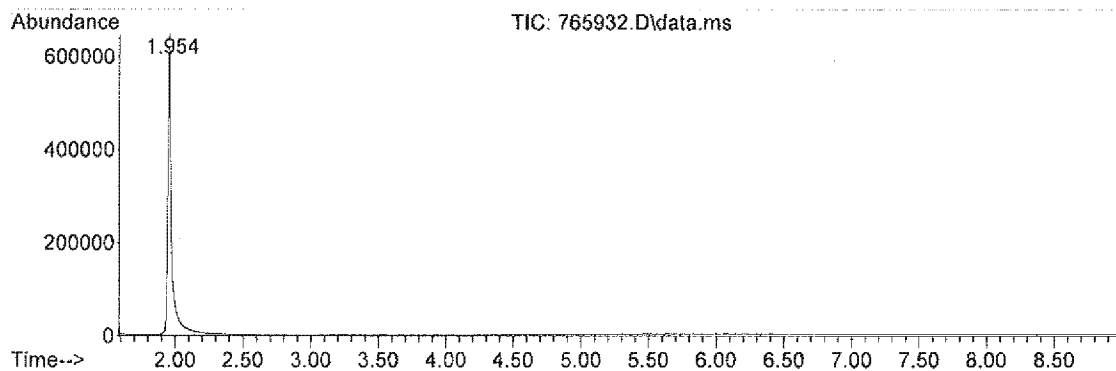


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765932.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 2:01  
Sample Name : GABAPENTIN STD  
Submitted by :  
Vial Number : 26  
AcquisitionMeth: MDMA.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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1.954	1234662	100.00	100.00
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## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\01\_14\_11\765932.D  
Operator : ASD  
Date Acquired : 15 Jan 2011 2:01  
Sample Name : GABAPENTIN STD  
Submitted by :  
Vial Number : 26  
AcquisitionMeth: MDMA.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.95	C:\Database\NIST08.L		
		Gabapentin	060142-96-3	91
		Cyclohexane, ethylidene-	001003-64-1	38
		Cyclohexane, methylene-	001192-37-6	30

